



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/804,426	03/18/2004	Kyoung Soo Moon	2080-3237	7236
35884 7590 08/24/2007 LEE, HONG, DEGERMAN, KANG & SCHMADEKA 660 S. FIGUEROA STREET Suite 2300 LOS ANGELES, CA 90017			EXAMINER TEKLE, DANIEL T	
			ART UNIT 2621	PAPER NUMBER
			MAIL DATE 08/24/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/804,426

Applicant(s)

MOON, KYOUNG SOO

Examiner

Daniel Tekle

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 March 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Young (US 4,706,121).

Regarding Claim 1: Young disclose a method for detecting an overlap of scheduled recording times, the method comprising the steps of: (a) ascertaining whether there exists any broadcasting program reserved to record (**column 19 lines 49-55**); (b) if there exists any broadcasting program scheduled to record, correcting a scheduled recording time of the broadcasting program reserved to record on the basis of calculated time correction data for channels (**column 20 lines 6-18**); (c) determining whether the scheduled recording times of the broadcasting programs overlap (**column 20 lines 6-18**); and (d) if the scheduled recording times of the broadcasting programs overlap, reporting information on the overlap (**column 20 lines 6-18**).

Regarding Claim 2: Young disclose a method according to claim 1, further comprising the step of: (e) before the step (a), when a power is turned on, calculating the time correction data for the channels (**column 20 lines 40-49**).

Regarding Claim 3: Young disclose a method according to claim 2, wherein the step (e) comprises the steps of: setting, as a reference time, a base time provided from a

reference channel tuned first when the power is turned on; obtaining base times provided from remaining channels excepting for the reference channel (**column 20 lines 50-58**); and calculating the time correction data for the channels by using the reference time and the base times (**column 20 lines 40-48**).

Regarding Claim 4: Young disclose a method according to claim 3, wherein the step (e) further comprises the steps of: mapping the calculated time correction data to corresponding channels in one-to-one mapping and storing the mapped time correction data (**column 20 lines 50-65**).

Regarding Claim 5: Young disclose a method according to claim 3, wherein the reference channel is set in default by a user (**column 13 lines 20-37 and column 15 lines 7-16**).

Regarding Claim 6: Young disclose a method according to claim 3, wherein the step (e) further comprises the steps of: storing the set reference time and the base times provided from the remaining channels excepting for the reference channel (**column 12 lines 13-24**).

Regarding Claim 7: Young disclose a method according to claim 3, wherein the calculated time correction data are time differences between the reference time and the base times of the remaining channels (**column 20 lines 6-17**).

Regarding Claim 8: Young disclose a method according to claim 1, wherein the scheduled recording time includes a record start time and a record end time (**column figure 8 element 363**).

Regarding Claim 9: Young disclose a method according to claim 1, wherein the step (b) comprises the steps of: reading the time correction data of the channels corresponding to the broadcasting programs reserved to record among the calculated time correction data of the channels (**column 20 lines 6-17**); and adding the read time correction data to the scheduled recording times of the broadcasting programs scheduled to record (**column 20 lines 6-17**).

Regarding Claim 10: Young disclose a method according to claim 1, wherein the information on the overlap is reported in the form of message or voice (**column 20 lines 6-17**).

Regarding Claim 11: Claim 11 is rejected for the same subject matter as claims 1 and 2.

Regarding Claim 12-15: Claims 12-15 are rejected for the same subject matter as claims 3, 5, 7 and 9 respectively.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,344,878

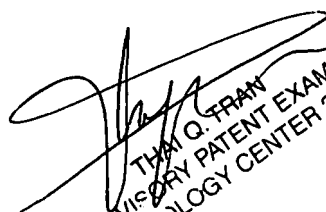
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Tekle whose telephone number is 571-270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other F..

Art Unit: 2621

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Daniel Tekle


THAI Q. TRAN
SUPERVISORY PATENT EXAMINER
BIOLOGY CENTER 2600